

ABSTRACT

The present invention concerns alkyl aryl carbonyl  
5 compounds that possess anti-infective activity. The  
compounds of the invention can be used to target specific  
nuclear localization signal, thereby blocking importation of  
specific proteins or molecular complex into the nucleus of a  
cell. The invention encompasses methods of use of such  
10 compounds for treatment or prevention of infectious diseases,  
such as parasitic and viral diseases, including, for example,  
malaria and acquired immunodeficiency syndrome. The use of  
the compounds to detect certain specific protein structures  
which are present in nuclear localization sequences is also  
15 taught.

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